



Radiator Baffles Kit

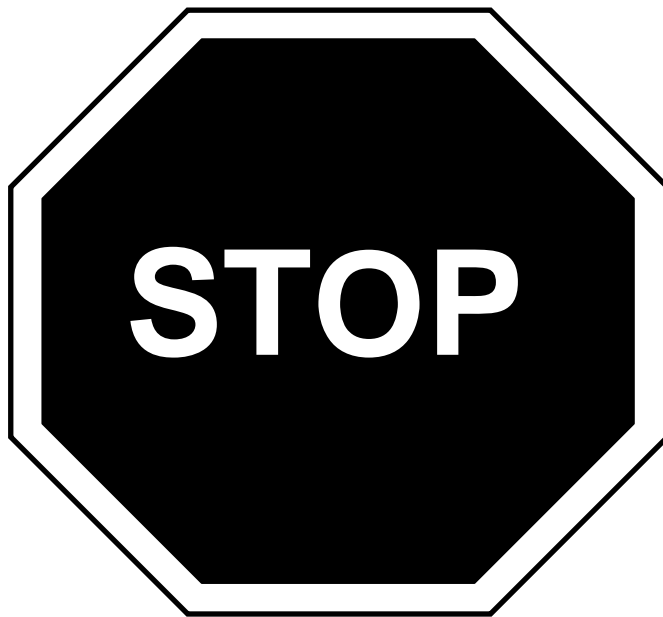


INSTALLATION MANUAL: 2005-2009 Saleen S-Line / Saleen H-Line

For Upgrade Intercooler System found in S302E and H302SC

P/N: 10-8001-C18465

Saleen Performance, Inc.
800-888-8945
www.saleen.com



**IF YOU ARE NOT EXPERIENCED IN THE AREA
OF AUTOMOTIVE MECHANICS, WE
STRONGLY URGE THAT YOU REFER THIS
INSTALLATION TO A CERTIFIED INSTALLER
OR TECHNICIAN.**



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Pre-Installation Precautions:

To help ensure the proper operation of your vehicle, follow the guidelines below:



IF YOU ARE NOT EXPERIENCED in the area of automotive mechanics, we strongly urge that you refer this installation to a certified installer or technician.

PAY ATTENTION TO VEHICLE TYPE NOTATION because there are different installation steps in this manual that differ based on whether your vehicle is a Saleen S-Line product (S281 3V, S281 SC, S302E) or a factory Mustang*. There will be clear markings at the lower RH corner of the page (A or B designation). Taking the time to read these instructions and following the notes will ensure a smooth, easy, and successful installation**.

*This instruction manual consists of the two most likely vehicle types for this kit (Saleen S-Line & Factory Stock Mustang). Saleen cannot anticipate what modifications may be done to every vehicle, so there may be an installation conflict with some aftermarket equipment.

**This manual was created using a 2008 Ford Mustang GT and a Saleen S281 SC as an example. Ford Mustang V6 models or any other form of aftermarket body kits may require different or additional steps when removing body components such as the front fascia. If the vehicle does contain other aftermarket body components, contact that aftermarket supplier for disassembly and assembly instructions.

Safety Precautions:

To help guarantee your safety, please follow the guidelines listed below:



NO SMOKING, FLAMES, OR SPARKS around the battery or fuel system. Batteries can give off fumes that are flammable and may ignite if there is any form of spark or open



WEAR THE APPROPRIATE SAFETY GEAR such as safety glasses and gloves during the vehicle tear down and installation of new components. Always follow the safety instructions that come with the tools you are using.



USE CAUTION AROUND VEHICLE when working on it. Make sure the vehicle is turned OFF, is properly secured (in park with the parking brake on), and is sitting on a level surface. Avoid wearing loose clothing or jewelry, as these items might get caught in moving parts resulting in injury. When instructed to operate your vehicle, make sure you do so in a well-ventilated area. Failure to do so may result in carbon monoxide poisoning.

Be safe and use proper care and precautions. Saleen wants you to have a safe and rewarding experience.



RADIATOR BAFFLES KIT
Installation Guide for the 2005 to 2009 Mustang

WELCOME!

Thank you for buying a Saleen Radiator Baffles Kit for the 2005 to 2009 Mustang. We appreciate your business, and we hope you enjoy your product.

For your benefit, please read the following instructions completely and thoroughly before attempting to install the baffles kit. Many questions we have received from customers about the installation of our products could have been easily solved by information listed in this installation guide. We want you to enjoy the product in its fully functional state, and reading this tutorial is a great first step to getting you on your way to a more unique Mustang.

Again, thank you for choosing Saleen!



PARTS INCLUDED IN BAFFLE KIT:

06-2001-B17714	HIGH PERFORMANCE COOLING BAFFLE KIT S302E	1	EACH
06-2001-C17481	BAFFLE RADIATOR DRV UPR	1	EACH
06-2001-C17482	BAFFLE RADIATOR DRV LWR	1	EACH
06-2001-C17483	BAFFLE RADIATOR PAS LWR	1	EACH
06-2001-C17484	BAFFLE RADIATOR PAS LWR	1	EACH
06-2001-C17690	TRAY RADIATOR BOTTOM	1	EACH
00-9003-C15070	U-NUT 6x1.0mm 1-4mm PANEL THICKNESS 12mm FROM EDGE	8	EACH
00-9001-C14684	Capscrew, Hex Head, M6, 25mm Long, Steel, Zinc Plated, Class 8.8	10	EACH
00-9006-C14542	Rivet Nut M6X1.0, Zinc-Plated Steel	2	EACH
00-9004-C15181	Washer, Round Hole, M6, Steel, Zinc Plated, 6.4 mm ID, 18 mm OD, 1	10	EACH

DEPENDING ON MODEL

00-9006-C17368*	Dbl Sided 3M VHB 5925 6.35mm Wide	23	INCH
06-2001-B17789	HIGH PERFORMANCE COOLING BAFFLE KIT H302SC	1	EACH
06-2001-C17481	BAFFLE RADIATOR DRV UPR	1	EACH
06-2001-C17482	BAFFLE RADIATOR DRV LWR	1	EACH
06-2001-C17483	BAFFLE RADIATOR PAS LWR	1	EACH
06-2001-C17484	BAFFLE RADIATOR PAS LWR	1	EACH
06-2001-C17690	TRAY RADIATOR BOTTOM	1	EACH
00-9003-C15070	U-NUT 6x1.0mm 1-4mm PANEL THICKNESS 12mm FROM EDGE	8	EACH
00-9001-C14684	Capscrew, Hex Head, M6, 25mm Long, Steel, Zinc Plated, Class 8.8	10	EACH
00-9006-C14542	Rivet Nut M6X1.0, Zinc-Plated Steel	2	EACH
00-9004-C15181	Washer, Round Hole, M6, Steel, Zinc Plated, 6.4 mm ID, 18 mm OD, 1	10	EACH



TOOLS REQUIRED FOR KIT INSTALLATION:


[illegible]

NOTE: If you do not have any of the tools listed above, you may be able to obtain them from your local tool lending service

MATERIALS REQUIRED FOR KIT INSTALLATION:

3M Body Schutz	
Masking Tape	
3M 08984 General Purpose Adhesive Cleaner	
Fishing Line	



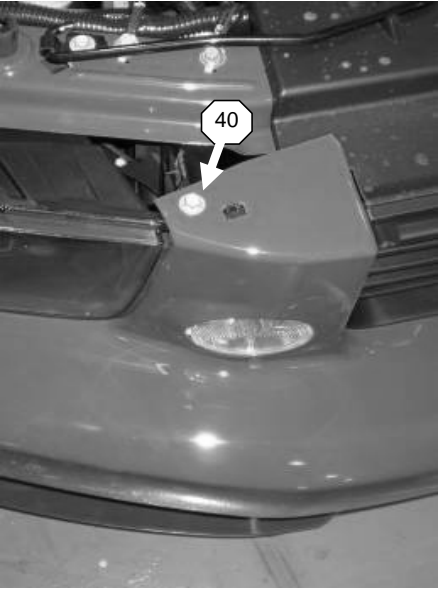
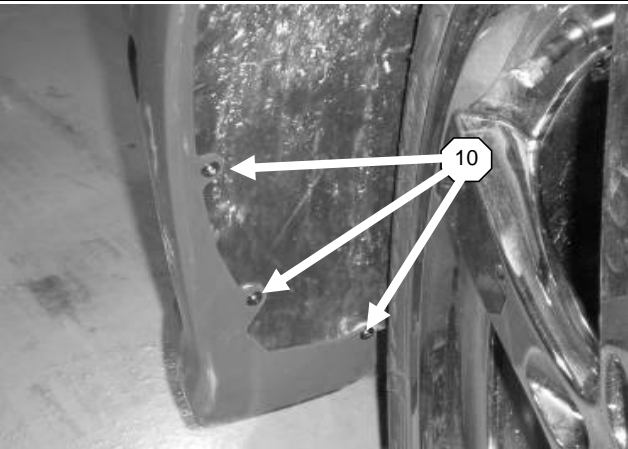
 Disconnect the negative battery cable using an 8mm Socket. Bring the negative battery cable down to the side of the battery where it can not make contact with the negative battery post.





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Remove the aero shield.

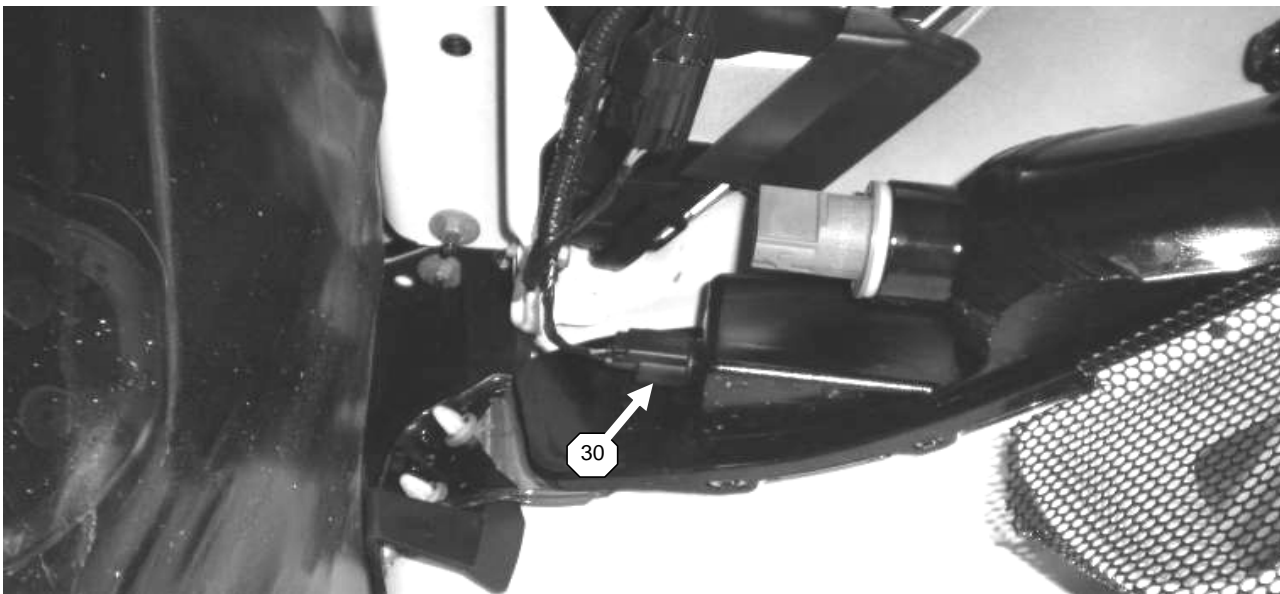
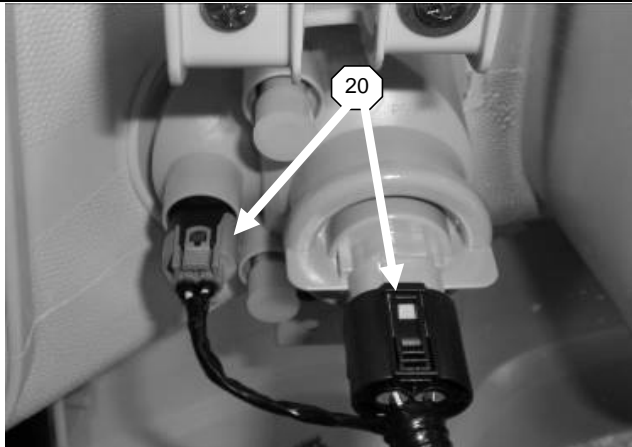
A
2-1



- | | |
|--|---|
|  10 | Both wheel wells have Philips screws (3 per side) that need to be removed. The front wheels may need to be turned left or right to obtain the necessary clearance for the screw driver. |
|  20 | Once the screws are removed, pull the fender liners back towards the front wheels enough to see the 10mm nuts (2 per side) fastening the front fascia to each fender. Remove all 4 of the nuts. |
|  30 | Underneath the front fascia in the front along the leading edge are two 5.5mm bolts attaching the lower aero shield to the bottom of the fascia. Remove the bolts. |
|  40 | Remove the 10mm bolts (1 per side) attaching the top of the front fascia to the car. Each bolt is located just inboard of the headlight. |

ITEM	PART NUMBER	QTY.	DESCRIPTION

Notes:



Once all of the fasteners are removed, remove the front fascia by placing the palm of your hand on each side of the front fascia and push down until the fascia loosens. Let the fascia sit on the front bumper in order to disconnect harnesses.

Locate the turn signal harness (located behind each turn signal, at each side of the front grille). Disconnect each connector by depressing the tab and pulling the connector away from the turn signal housing.

Disconnect the side marker lamp connectors (located underneath each head lamp). To disconnect each connector, depress the tab and pull to separate.

Remove front fascia and set it where it will not get scratched or damaged.

A
2-3



Remove the aero shield.



?

ITEM NUMBER



NATURALLY ASPIRATED FASCIA SHOWN FOR DEMONSTRATION PURPOSES, SUPERCHARGED H302 COMPONENTS WILL VARY



Notes:



Remove the 6 screws (3 per wheel well) through the front fascia and wheel well liner using a phillips screw driver.



Cut the double sided trim tape securing the head lamp bar to the head lamp lens using a piece of fishing line, working from the inboard out.



Remove the bolts and washers that secure the production undertray bolts to the front fascia.

[illegible]

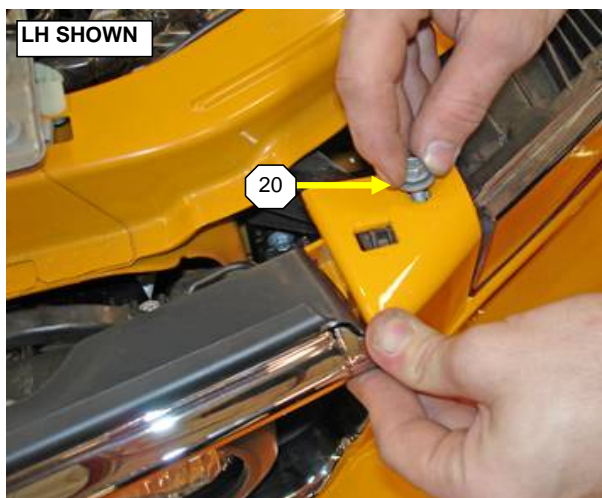
TORQUE

?

ITEM NUMBER



OPERATION



10

Remove 4 nuts (2 per fender, 1 per stud) onto the studs at each side of the fascia.

20

Install the 2 bolts (1 per side) that hold the top of the fascia to the upper support brackets.

[illegible]

Notes:

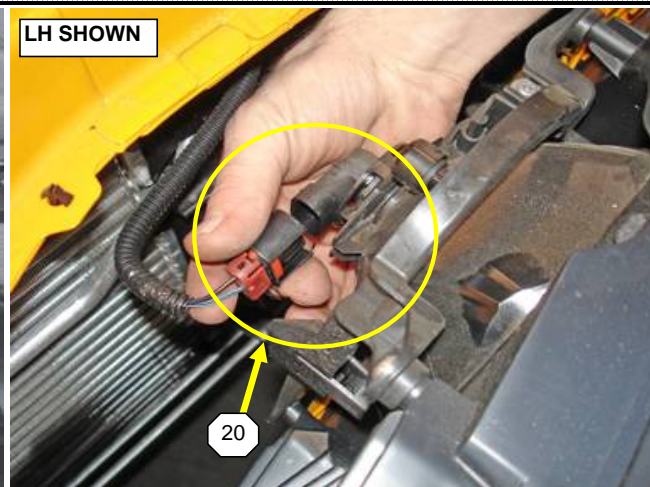
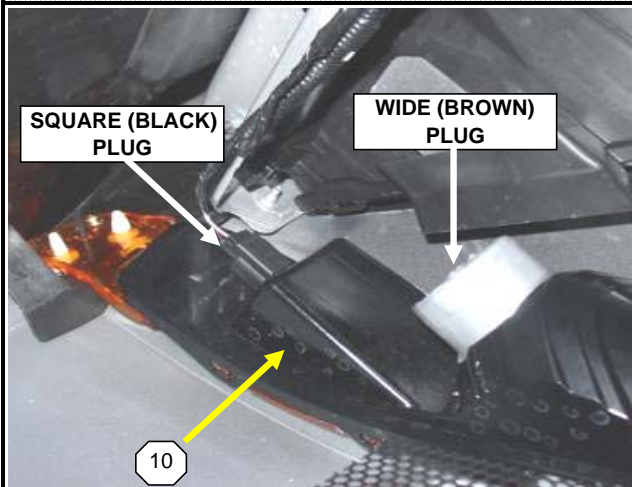
TORQUE



ITEM NUMBER



OPERATION



Notes:

10

Disconnect the vehicle harness from the parking light / turn signal housings in the front fascia. The wide plug (brown) connects to the inboard bulbs in the parking light housing, and the square (black) plugs connect to the outboard bulbs in the parking light housing.

20

Disconnect the 2 fog lamps from the vehicle harness in front of the A/C condenser.

30

Remove the front fascia from the vehicle, and carefull set it somewhere the pain will not be damaged, and it is properly supported.

[illegible]



TORQUE

?

ITEM NUMBER



OPERATION

LH SIDE SHOWN



ABS MODULE

RADIATOR CORE
SUPPORT

10

RH SIDE SHOWN

RADIATOR CORE
SUPPORT

PCM MODULE

20

Notes:

The holes in the frame that receive the rivnuts might have too much paint and e-coat build up around the edge, which may prevent rivnut installation. If one or both rivnuts do not fit, clean the edge of the hole till the rivnut does fit. If the edges of the holes are cleaned down to bare metal, add body schutz to the holes to help prevent rusting.


A rivnut gun or manual installer should be available from a local tool rental service.

10

Locate the spot along the LH front frame rail where the radiator core support meets the frame rail (Located forward of the ABS module). Install 1 rivnut (A) into the existing hole at that location with a rivnut gun. Use the rivnut gun again to re-compress the rivnut to make sure it is fully seated.

20

Locate the spot along the RH front frame rail where the radiator core support meets the frame rail (Located forward of the PCM module). Install 1 rivnut (A) into the existing hole at that location with a rivnut gun. Use the rivnut gun again to re-compress the rivnut to make sure it is fully seated.

ITEM	PART NUMBER	QTY.	DESCRIPTION	
A	00-9006-C14542*	2	Rivet Nut M6 x 1.0mm, Zinc Plated	
TORQUE			 SALEEN	
		PROCESS NAME		PAGE
		Baffle Rivnut Installation		



TORQUE

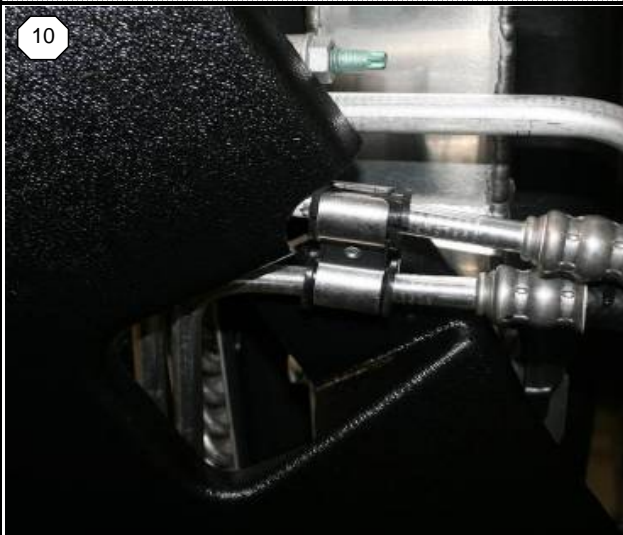
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ITEM NUMBER



OPERATION

10



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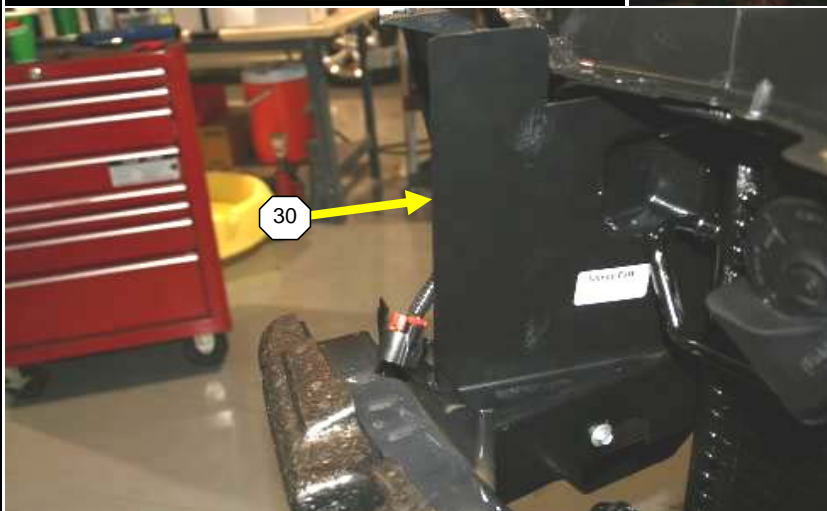
Retrieve the LH upper baffle (A) and clip it onto the power steering line running along the LH of the radiator.

20

Position the LH upper baffle so that the back edge of the baffle is in line with the back edge of the radiator. Temporarily taping the baffle to the radiator will help hold the baffle in place until the securing bolt is installed in a later operation.

30

Retrieve the RH upper baffle (B) and install it onto the vehicle.



ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-2001-C17481	1	Rad Baffle Drv Upr S-Line
B	06-2001-C17483	1	Rad Baffle Pas-Upr S-Line

Notes: The textured side of the baffles should be facing outboard.

TORQUE



SALEEN

PROCESS NAME

PAGE

UPPER BAFFLES INSTALLATION

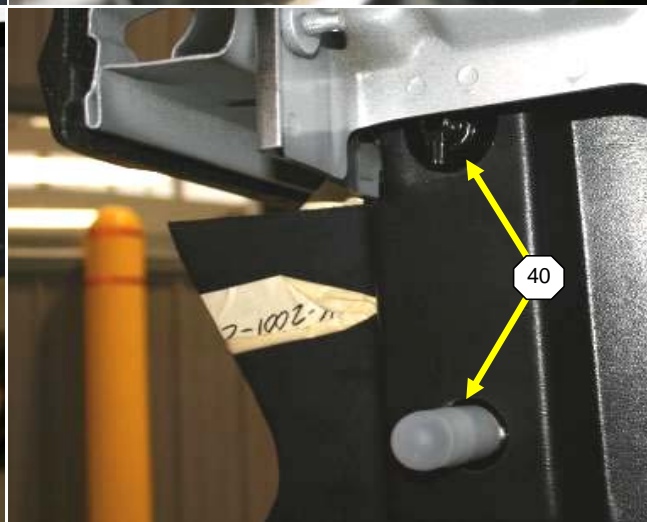
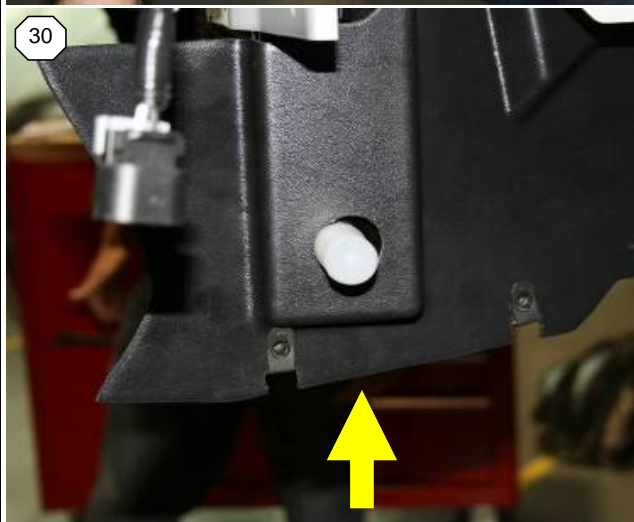
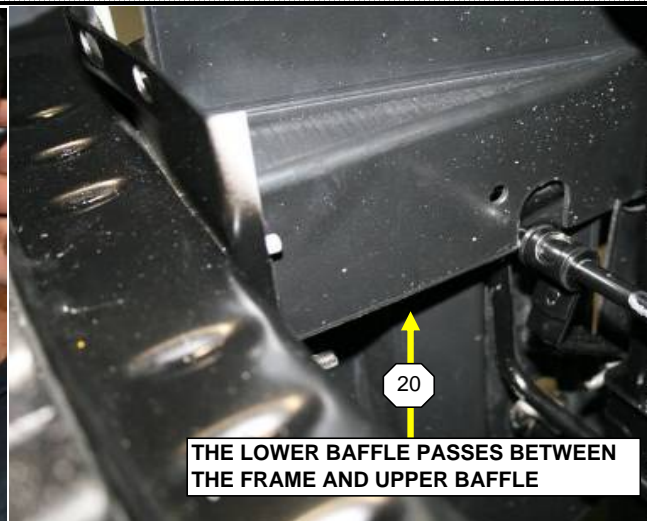
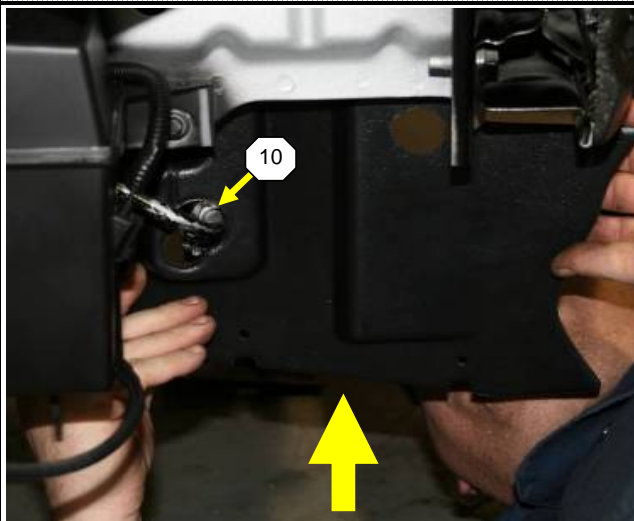
TORQUE



ITEM NUMBER



OPERATION



10

Install the passenger (RH) side lower baffle (A) by wrapping the baffle around the A/C condensor line. Once in place, the heat exchanger fitting will protrude from the top hole cut out in the baffle.

20


Then raise the baffle into place. The top of the lower baffle will pass between the upper baffle and the bumper frame rail.

30

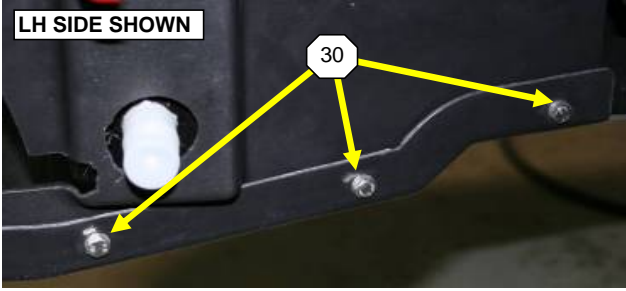
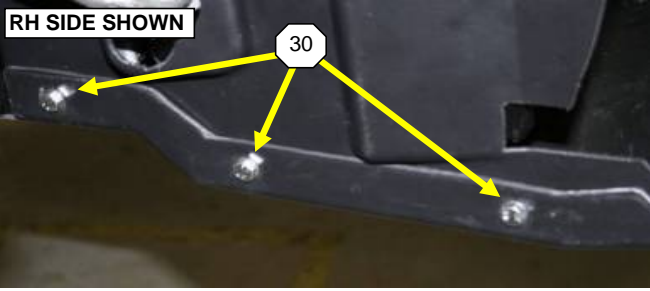
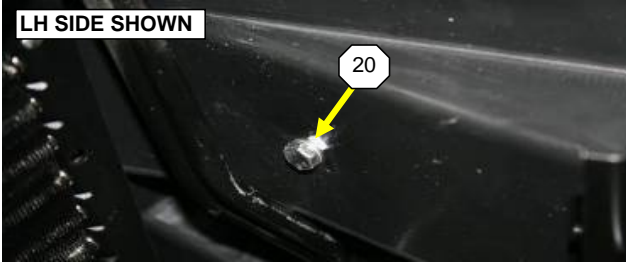
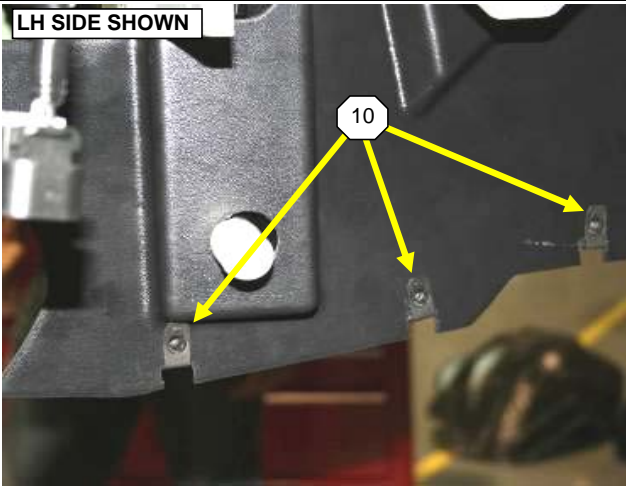
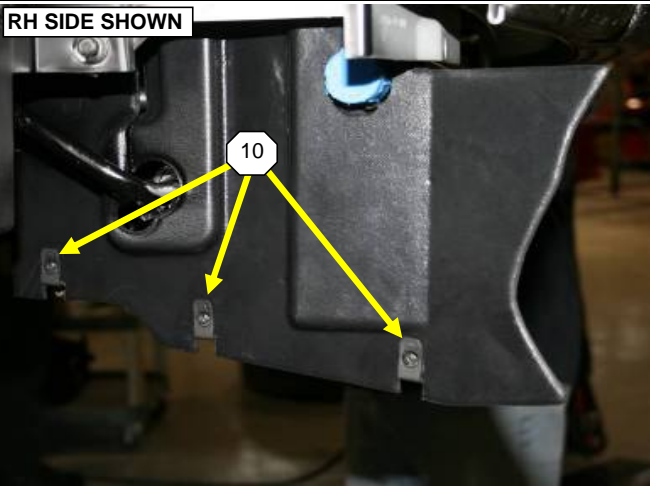
Install the driver (LH) side lower baffle (B) by raising it into place from under the bumper. Again, like the passenger side, the baffle will pass between the upper baffle and the frame.

40

Make sure the heat exchanger fitting is protruding out of the LH side baffle and that the petcock is also protruding through the baffle.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-2001-C17484	1	Rad Baffle Pass-Lwr S-Line
B	06-2001-C17482	1	Rad Baffle Dvr-Lwr S-Line
TORQUE		 SALEEN	
		<div style="display: flex; justify-content: space-between;"> PROCESS NAME PAGE </div> <div style="text-align: center;">LOWER BAFFLE INSTALLATION</div>	
		5	

Notes:



Notes:

- 10

Insert 6 j-clips (A) (3 per side) into the lower baffles. The flat side of the clips will face out board.
- 20

To fasten both the upper and lower baffles to the frame rail, use a pick to line up both holes in the baffles with the rivnut in the frame rail. Once the holes line up, install 2 bolts (B) and 2 washers (C) (1 of each per side). Make sure the bolt goes in straight, the rivnuts are easy to cross thread. Torque to 91inlb.
- 30

Retrieve the bottom tray (D) and raise it into place. Install 6 bolts (B) (3 per side) with 6 washers (C) (3 per side) to fasten the bottom tray to the lower baffles. Torque to 91inlb.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9003-C15070*	6	U-Nut 6x1.0mm 1-4mm
B	00-9001-C14684*	8	Capscrew, Hex Head, M6, 25mm L
C	00-9004-C15181*	8	Washer M6 18mm O.D.
D	06-2001-C17690	1	Tray Radiator Bottom S-Line

TORQUE		<div> <div></div> <div>SALEEN</div> </div>	
20	91inlb	PROCESS NAME	PAGE
30	91inlb		
		LOWER BAFFLE INSTALLATION	6



Reach underneath the bottom tray and re-install the 3 factory fasteners that used to hold the old aero shield to the lower radiator support. These three fasteners will now hold the bottom tray to the lower radiator support. Torque to 91inlb.

[illegible]



Refer to the notes for information on cleaning the original trim adhesive tape that attached the headlamp bars to the headlamp lenses.

Cut the 23in length of 3M double sided trim tape (A) into two 11.5in long pieces, and apply to the inside of the head light bars. Do not remove the film covering the side of the tape that will attach to the head lamp lenses yet.

A
8-1

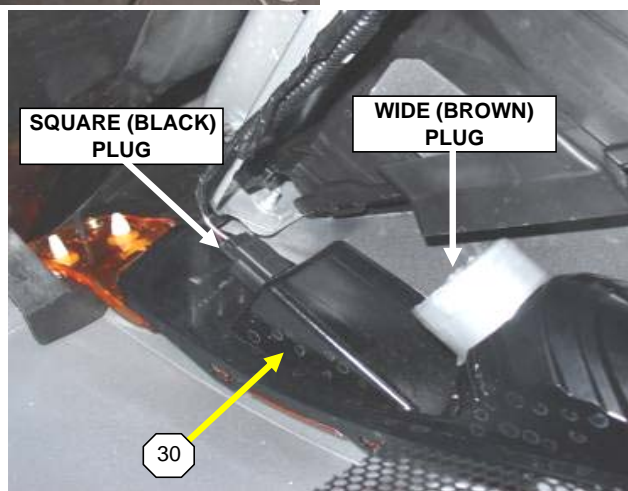
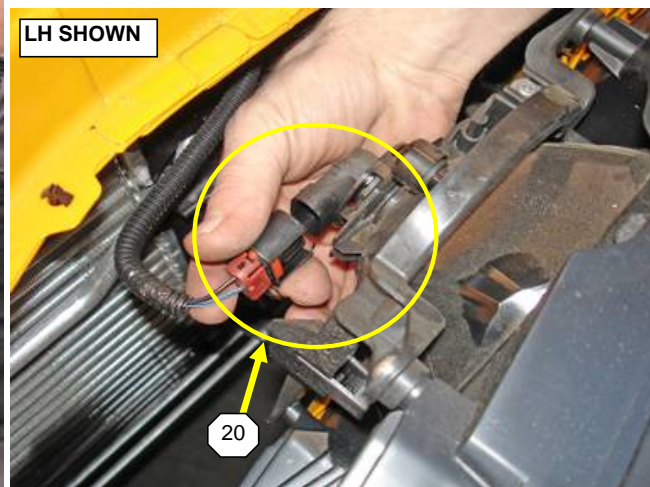
TORQUE

?

ITEM NUMBER



OPERATION



Notes:

10

Set the front fascia (A) onto the bumper.

20

Re-connect the 2 fog lamps to the vehicle harness in front of the A/C condenser.

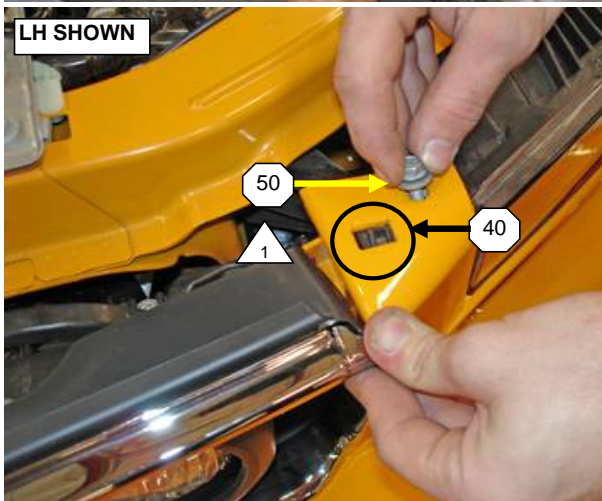
30

Connect the vehicle harness to the parking light / turn signal housings in the front fascia. The wide plug (brown) connects to the inboard bulbs in the parking light housing, and the square (black) plugs into the outboard bulbs in the parking light housing.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-1101-B17156*	1	Fascia Front Assy. 2008 Heritage

TORQUE	SALEEN
	PROCESS NAME
	INSTALL SALEEN H-LINE FASCIA

A
8-2



- 10 Align/install the holes in the upper rear side of the fascia with the studs in the fender on each side.
- 20 Install the 4 nuts (2 per fender, 1 per stud) onto the studs at each side of the fascia. Torque to 44inlb.
- 30 Adjust the front fascia so it fits snug against the foam that runs along the inboard vertical and lower surface of the head light.
- 40 Make sure the tab in the upper fascia support brackets sit inside the rectangular hole at the top of the fascia.
- 50 Install the 2 bolts (1 per side) that hold the top of the fascia to the upper support brackets. Torque to 44inlb.

[illegible]



TORQUE

?

ITEM NUMBER



OPERATION



NATURALLY ASPIRATED FASCIA SHOWN FOR DEMONSTRATION PURPOSES, SUPERCHARGED H302 COMPONENTS WILL VARY



Notes:

10


Install and tighten the 6 screws (3 per wheel well) through the front fascia and wheel well liner using a phillips head screwdriver.

20

Remove the protective cover from the double sided tape bonded to the backside of the headlight cross bar. Position the headlight cross bar on the headlight and firmly press it onto the headlight lens.

30

Slide 2 j-clips (A) into the trimmed recesses on the front of the bottom baffle tray. Fasten the front fascia splitter to the bottom baffle tray with 2 bolts (B) with washers (C).

ITEM	PART NUMBER	QTY.	DESCRIPTION
<div>A</div>	00-9003-C15070*	2	U-Nut 6x1.0mm 1-4mm
<div>B</div>	00-9001-C14684*	2	Capscrew, Hex Head, M6, 25mm L
<div>C</div>	00-9004-C15181*	2	Washer M6 18mm O.D.
TORQUE		<div> SALEEN</div>	
<div>1</div>	44inlb		
		PROCESS NAME	PAGE
		INSTALL SALEEN H-LINE FASCIA	
		<div><div>A</div><div>8-4</div></div>	



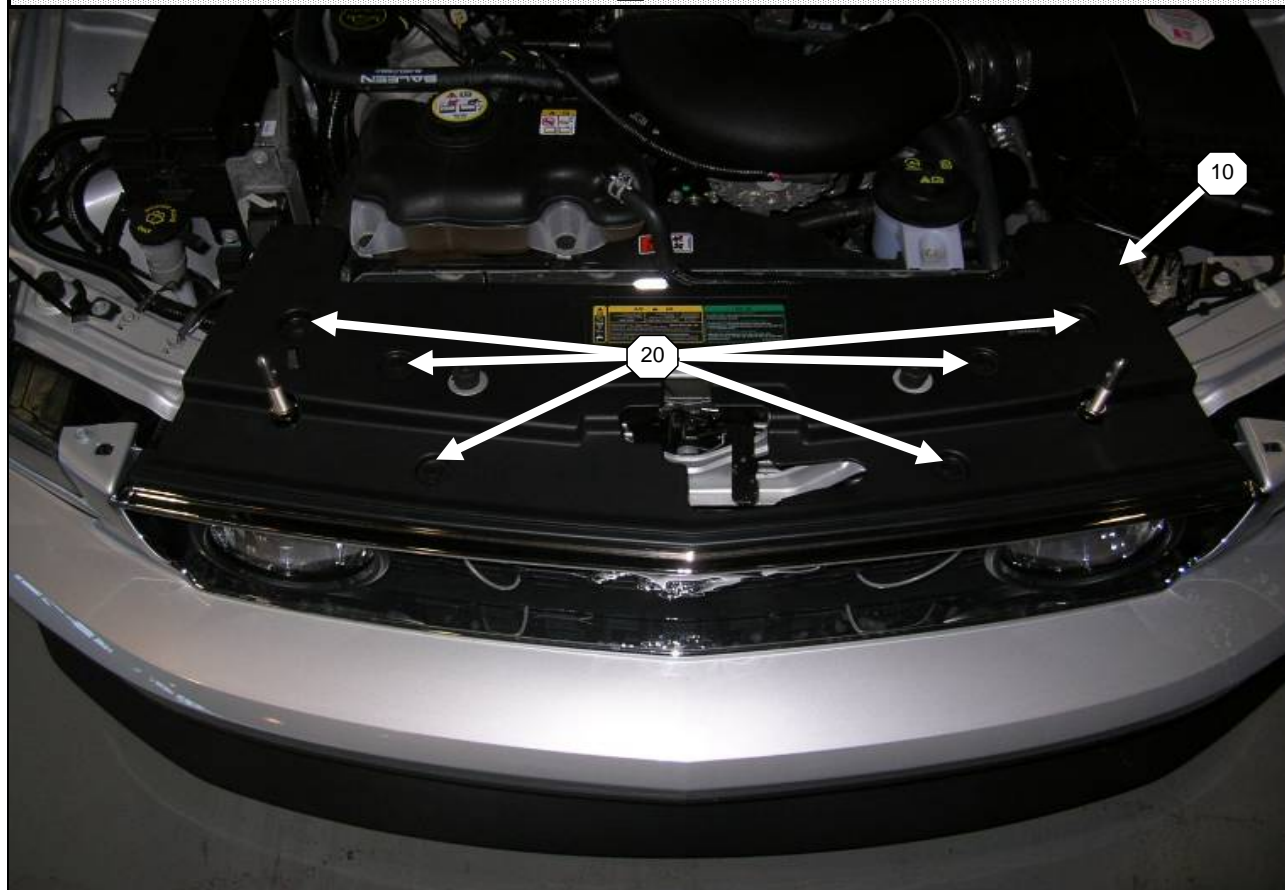
TORQUE

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ITEM NUMBER



OPERATION




10

Set the upper aero shield into place on top of the cooling pack.

20

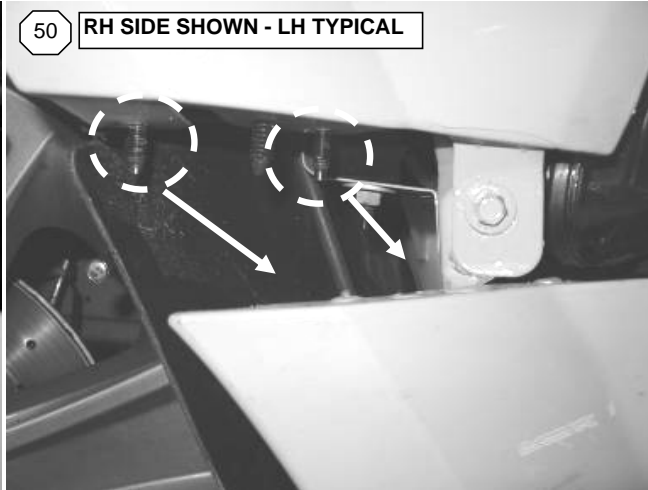
Once in place, re-install the 6 retainer pins to secure the shield in place.

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE		 SALEEN	
		PROCESS NAME	PAGE
		INSTALL SALEEN H-LINE FASCIA	

Notes:

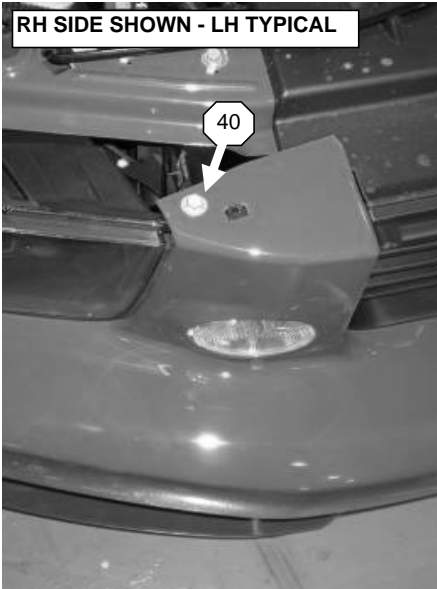
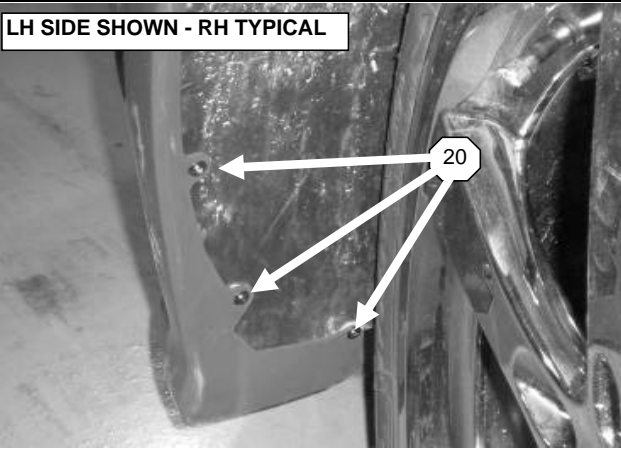
A

8-5



- NOTE:** To confirm the connectors are properly engaged, push each connector in, give it a slight pull to make sure the connector doesn't slip out, and then push the connector back in.

B
8-



- 10

Once the edges of the fascia are in place, pull the fender liner out enough to see the 2 fender studs per side. Re-install the 10mm nuts (2 per side). With a torque wrench, torque all 4 fender nuts to **44 +/- 6.6 Lb-in.**

20

Tuck the each wheel well liner into the fascia. Re-install the 3 Philips screws per side, and tighten.

30

Re- install the two 5.5mm screws used to secure the bottom of the front fascia to the lower aero shield, and tighten.

40

Re-install the two 10mm bolts (1 per side) holding the top of the fascia to the upper supports (located just inboard of each head lamp), and tighten.

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE		SALEEN	
△	1	44 +/- 6.6 Lb-in	
		PROCESS NAME	PAGE
		INSTALL SALEEN S-LINE FASCIA	

Notes:



TORQUE

?

ITEM NUMBER



OPERATION




10

Set the upper aero shield into place on top of the cooling pack.

20

Once in place, re-install the 4 retainer pins to secure the shield in place.

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE			SALEEN
		PROCESS NAME	PAGE
		INSTALL SALEEN S-LINE FASCIA	<div>B</div> <div>8-3</div>

Notes:



TORQUE



ITEM NUMBER



OPERATION



10

Slide the negative battery cable clamp over the negative terminal on the battery.

20

With a torque wrench and a 8mm socket, torque the negative battery cable clamp to 44inlb

ITEM	PART NUMBER	QTY.	DESCRIPTION

Notes:

TORQUE

1

44inlb



SALEEN

PROCESS NAME

PAGE

RE-CONNECT THE BATTERY